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| U.S. Department of Commerce, Patent and Trademark Office                                                                                                                                                                                  |    |                                                                             |               |                      |       | Atty Docket No.        |                            | Serial No. |  |
|                                                                                                                                                                                                                                           |    |                                                                             |               |                      |       | M-8745 US              |                            | 09/557,284 |  |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT<br>(Use several sheets if necessary)                                                                                                                                                        |    |                                                                             |               |                      |       | Applicant(s)           |                            |            |  |
|                                                                                                                                                                                                                                           |    |                                                                             |               |                      |       | Freeman, <i>et al.</i> |                            |            |  |
|                                                                                                                                                                                                                                           |    |                                                                             |               |                      |       | Filing Date            |                            | Group      |  |
|                                                                                                                                                                                                                                           |    |                                                                             |               |                      |       | April 24, 2000         |                            | 2754 2652  |  |
| U.S. Patent Documents                                                                                                                                                                                                                     |    |                                                                             |               |                      |       |                        |                            |            |  |
| *Examiner Initial                                                                                                                                                                                                                         |    | Document Number                                                             | Date          | Name                 | Class | Subclass               | Filing Date If Appropriate |            |  |
| AC                                                                                                                                                                                                                                        | AA | 6,052,357                                                                   | Apr. 18, 2000 | Ogawa, <i>et al.</i> | —     | —                      |                            |            |  |
|                                                                                                                                                                                                                                           | AB |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AC |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AD |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AE |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AF |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AG |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AH |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AI |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AJ |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AK |                                                                             |               |                      |       |                        |                            |            |  |
| Foreign Patent Documents                                                                                                                                                                                                                  |    |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           |    |                                                                             |               |                      |       |                        | Translation                |            |  |
|                                                                                                                                                                                                                                           |    | Document                                                                    | Date          | Country              | Class | Subclass               | Yes                        | No         |  |
| AC                                                                                                                                                                                                                                        | AL | EP 0 400 570 A2                                                             | 29 May 2000   | EP                   | —     | —                      |                            |            |  |
|                                                                                                                                                                                                                                           | AM |                                                                             |               |                      |       |                        |                            |            |  |
|                                                                                                                                                                                                                                           | AN |                                                                             |               |                      |       |                        |                            |            |  |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)                                                                                                                                                                          |    |                                                                             |               |                      |       |                        |                            |            |  |
| AC                                                                                                                                                                                                                                        | AO | Patent Abstracts of Japan, Vol. 009, No. 276, 2 Nov. 1985 & JP 60 121544 A  |               |                      |       |                        |                            |            |  |
| AC                                                                                                                                                                                                                                        | AP | Patent Abstracts of Japan, Vol. 011, No. 118, 14 Apr. 1987 & JP 61 264524 A |               |                      |       |                        |                            |            |  |
| AC                                                                                                                                                                                                                                        | AQ | Patent Abstracts of Japan, Vol. 011, No. 216, 14 Jul. 1987 & JP 62 034338 A |               |                      |       |                        |                            |            |  |
| AC                                                                                                                                                                                                                                        | AR | Patent Abstracts of Japan, Vol. 012, No. 363, 29 Sep. 1988 & JP 63 113945 A |               |                      |       |                        |                            |            |  |
| Examiner                                                                                                                                                                                                                                  |    | Date Considered                                                             |               |                      |       |                        |                            |            |  |
| AC                                                                                                                                                                                                                                        |    | 4/14/04                                                                     |               |                      |       |                        |                            |            |  |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant. |    |                                                                             |               |                      |       |                        |                            |            |  |